Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/05/2018 09:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/31/2018 01:04 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126304	1	1.93	126365	1.95
Blue	F	SSC	125000	124303	-1	3.45	124989	3.39
Blue	E	FITC	15492	15017	-4	3.64	346	21.92
Blue	D	PE	28736	28166	-2	2.93	619	16.59
Blue	B	PerCP-Cy5-5	41413	41484	0	4.53	1143	22.85
Blue	A	PE-Cy7	31321	31283	-1	7.12	574	49.03
Red	C	APC	41673	41160	-2	2.99	1583	13.37
Red	A	APC-Cy7	29962	29658	-2	2.84	759	13.82
Violet	B	V450	8318	8003	-4	4.42	443	14.60
Violet	A	V500	34199	33768	-2	4.18	810	11.07

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20627	3.99	609	-4	N/A	N/A	Pass
Blue	F	SSC	56494	2.69	576	8	N/A	N/A	Pass
Blue	E	FITC	58	72.23	558	-3	0.0158	145	Pass
Blue	D	PE	123	57.86	558	-2	0.1251	274	Pass
Blue	B	PerCP-Cy5-5	210	56.13	665	-2	0.0074	65	Pass
Blue	A	PE-Cy7	113	116.63	720	-2	0.0082	11	Pass
Red	C	APC	365	28.76	600	-1	0.0195	155	Pass
Red	A	APC-Cy7	189	30.61	575	-1	0.0046	920	Pass
Violet	B	V450	66	70.36	476	-1	0.0435	2330	Pass
Violet	A	V500	114	37.79	494	0	0.0203	924	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.37	-31.93	1.12
Blue	20.35	16.27 - 24.41	1.29	0.99 - 1.49	0.00	0.00	1.51
Red	17.15	13.60 - 20.40	N/A	N/A	29.16	29.67	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 10426

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments